

What is claimed is:

1. A method of forming a spacer of double glazing by using a multi-joint robot to which an applicator head for applying a spacer forming material is rotatably attached and by applying the spacer forming material from the applicator head while the applicator head is being moved by the multi-joint robot along a periphery of an upper surface of one glass plate, the application head having a discharge port for the spacer forming material, which is directed to one direction, the periphery of the glass plate having linear regions and corner regions which follow the linear regions, the method comprising the steps of:

discharging the spacer forming material from the discharge port of the applicator head in each linear region;

stopping the discharge of the spacer forming material from the discharge port of the applicator head in each corner region; and

rotating the application head in each corner region to change the direction of the discharge port of the applicator head to a direction suitable for application in the next linear region which follows the corner region.

2. The method of forming a spacer of double glazing according to claim 1, wherein the step of rotating the application head in each corner region further comprises:

moving the application head which has reached the corner region from the linear region until the discharge port passes an intersection A, the intersection A being an intersection of application center lines in the linear regions and being located in each corner region; and

returning the discharge head to the application center line in the

linear region that follows the corner region while the application head is being moved toward the linear region that follows the corner region.

3. The method of forming a spacer of double glazing according to any one of claims 1 and 2, wherein the step of discharging the spacer forming material in each linear region is performed such that a movement speed of the application head is faster in the linear regions than in the corner regions, and the step of rotating the application head in each corner region is performed such that the movement speed of the application head is equal to or lower than a speed corresponding to a rotation speed of the applicator head.

4. The method of forming a spacer of double glazing according to any one of claims 1 to 3, wherein the glass plate is rectangular in shape.

5. The method of forming a spacer of double glazing according to any one of claims 1 to 4, wherein the spacer forming material is made of a thermoplastic material mixed with a drying agent.

6. The method of forming a spacer of double glazing according to any one of claims 1 to 5, wherein the applicator head applies the spacer forming material and a sealing agent, and the spacer forming material and the sealing agent are discharged in a layered state from the discharge port of the applicator head.